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Carboxyl group-containing diene rubbers

Abstract

The present invention relates to rubber mixtures containing diene rubber with a concentration of carboxyl groups of 0.1 to 2 wt.% and a glass transition temperature of -120 to -50°C and their mixtures with fillers, optionally further rubbers and rubber auxiliary substances and vulcanisates prepared therefrom. Rubber mixtures according to the invention are suitable for producing highly reinforced, abrasion-resistant moulded items, in particular for producing tire treads which have a particularly high resistance to wet skidding, a high abrasion resistance and a low rolling resistance and also for tire sidewalls with especially good fatigue resistance.

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